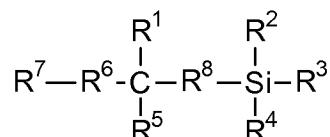


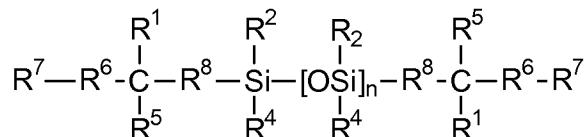
This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended). A process for purifying at least one silicone containing monomer comprising the steps of contacting said at least one silicone containing monomer of Formula I or II



I



II

wherein:

n is an integer between 3 and 35,

R¹ is hydrogen, C₁₋₆alkyl;

R², R³, and R⁴, are independently, C₁₋₆alkyl, triC₁₋₆alkylsiloxy, phenyl, naphthyl, substituted C₁₋₆alkyl, substituted phenyl, or substituted naphthyl

where the alkyl substitutents are selected from one or more members of the group consisting of C₁₋₆alkoxycarbonyl, C₁₋₆alkyl, C₁₋₆alkoxy, amide, halogen, hydroxyl, carboxyl, C₁₋₆alkylcarbonyl and formyl, and

where the aromatic substitutents are selected from one or more members of the group consisting of C₁₋₆alkoxycarbonyl, C₁₋₆alkyl, C₁₋₆alkoxy, amide, halogen, hydroxyl, carboxyl, C₁₋₆alkylcarbonyl and formyl;

R⁵ is hydroxyl, an alkyl group containing one or more hydroxyl groups; or

(CH₂(CR⁹R¹⁰)_yO)_x-R¹¹ wherein y is 1 to 5, preferably 1 to 3, x is an integer of 1 to 100, preferably 2 to 90 and more preferably 10 to 25; R⁹ - R¹¹ are independently

selected from H, alkyl having up to 10 carbon atoms and alkyls having up to 10 carbon atoms substituted with at least one polar functional group,
 R^6 is a divalent group comprising up to 20 carbon atoms;
 R^7 is a monovalent group that can undergo free radical and/or ionic polymerization and comprising up to 20 carbon atoms;
 R^8 is a divalent group comprising up to 20 carbon atoms
with a supercritical fluid having a density of between about 0.2 and about 1 g/ml, decreasing said density so that two phases are formed a first phase comprising said at least one silicone containing monomer and a second phase comprising at least one impurity and separating said second phase from said first phase.

2. **(Original).** The process of claim 1 wherein said supercritical fluid is selected from the group consisting of carbon dioxide, ethane, ethylene, propane, propylene, chlorotrifluoromethane and mixtures thereof.

3. **(Original).** The process of claim 1 wherein the supercritical fluid comprises carbon dioxide.

4. **(Original).** The process of claim 1 wherein the supercritical fluid has a density of between about 0.4 and about 0.8 g/ml.

5. **(Original).** The process of claim 1 wherein the contacting step comprises at least two stages a first stage and a second stage wherein the density of said supercritical fluid is lower than the density in the first stage.

6. **(Original).** The process of claim 5 wherein the density of the supercritical fluid in the first first stage is between about 0.4 and about 0.8 g/ml and the density of the supercritical fluid in the second stage is between about 0.1 g/ml and about 0.4 g/ml.

7. **(Original).** The process of claim 5 further comprising at least one additional contacting stage.

8. **(Original).** The process of claim 5 wherein the contacting step comprises at least three stages and the density of the supercritical fluid in the first stage is between about 0.5 and about 0.7 g/ml, the density of the supercritical fluid in the second stage is between about 0.3 g/ml and about 0.5 g/ml and the density of the supercritical fluid in a third stage is between about 0.1 g/ml and about 0.3 g/ml.

9. **(Original).** The process of claim 5 wherein the contacting step comprises at least four stages and the density of the supercritical fluid in the first stage is between about 0.5 and about 0.7 g/ml, the density of the supercritical fluid in the second stage is between about 0.3 g/ml and about 0.5 g/ml, the density of the supercritical fluid in a third stage is between about 0.15 g/ml and about 0.35 g/ml and the density of the supercritical fluid in a fourth stage is between about 0.1 g/ml and about 0.3 g/ml.

10. **(Original).** The process of claim 1 wherein said contacting step is conducted under conditions comprising pressures from about 1,000 psi to about 5,000 psi and temperatures greater than about 31°C.

11. **(Original).** The process of claim 1 wherein said contacting step is conducted under conditions comprising pressures from about 2,000 psi to about 3,000 psi and temperatures between about 31 and about 80°C.

12. **(Cancelled).**

13. **(Previously presented).** The process of claim 1 wherein the silicone containing monomer comprises at least one polymerizable group.

14. **(Cancelled).**

15. **(Previously Presented).** The process of claim 1 wherein R¹ is hydrogen; R²,R³, and R⁴, are independently selected from the group consisting of C₁₋₆alkyl and triC₁₋₆alkylsiloxy;

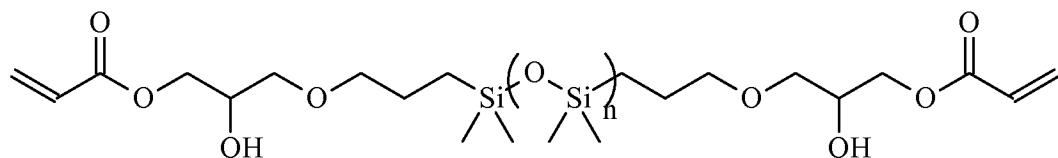
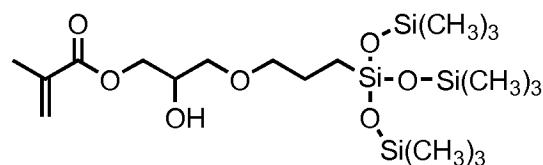
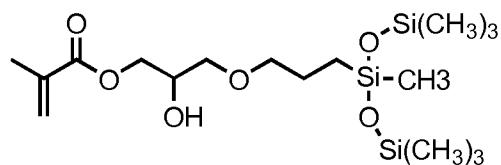
R⁵ is hydroxyl, -CH₂OH or -CH₂CHOHCH₂OH,

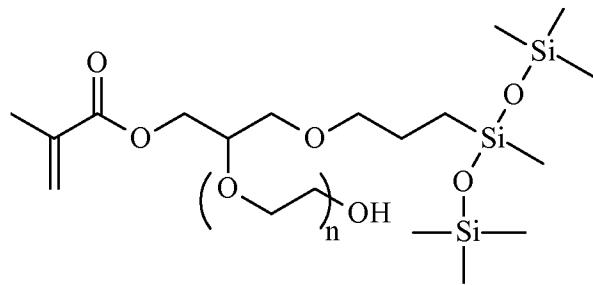
R⁶ is a divalent C₁₋₆alkyl, C₁₋₆alkyloxy, C₁₋₆alkyloxyC₁₋₆alkyl, phenylene, naphthalene, C₁₋₁₂cycloalkyl, C₁₋₆alkoxycarbonyl, amide, carboxy, C₁₋₆alkylcarbonyl, carbonyl, C₁₋₆alkoxy, substituted C₁₋₆alkyl, substituted C₁₋₆alkyloxy, substituted C₁₋₆alkyloxyC₁₋₆alkyl, substituted phenylene, substituted naphthalene, substituted C₁₋₁₂cycloalkyl, where the substituents are selected from one or more members of the group consisting of C₁₋₆alkoxycarbonyl, C₁₋₆alkyl, C₁₋₆alkoxy, amide, halogen, hydroxyl, carboxyl, C₁₋₆alkylcarbonyl and formyl;

R⁷ comprises a free radical reactive group selected from the group consisting of acrylate, styryl, vinyl, vinyl ether, itaconate group, C₁₋₆alkylacrylate, acrylamide, C₁₋₆alkylacrylamide, N-vinylactam, N-vinylamide, C₂₋₁₂alkenyl, C₂₋₁₂alkenylphenyl, C₂₋₁₂alkenylnaphthyl and C₂₋₆alkenylphenylC₁₋₆alkyl;

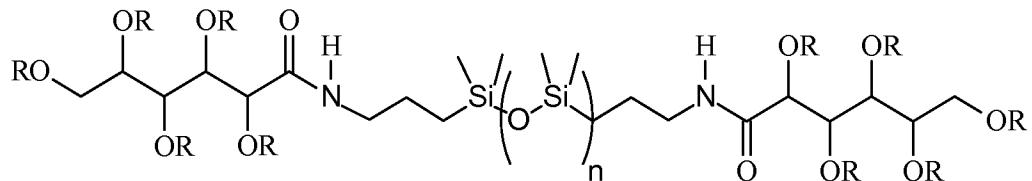
R⁸ is selected from the group consisting of divalent C₁₋₆alkyl, C₁₋₆alkyloxy, C₁₋₆alkyloxyC₁₋₆alkyl, phenylene, naphthalene, C₁₋₁₂cycloalkyl, C₁₋₆alkoxycarbonyl, amide, carboxy, C₁₋₆alkylcarbonyl, carbonyl, C₁₋₆alkoxy, substituted C₁₋₆alkyl, substituted C₁₋₆alkyloxy, substituted C₁₋₆alkyloxyC₁₋₆alkyl, substituted phenylene, substituted naphthalene, substituted C₁₋₁₂cycloalkyl, where the substituents are selected from one or more members of the group consisting of C₁₋₆alkoxycarbonyl, C₁₋₆alkyl, C₁₋₆alkoxy, amide, halogen, hydroxyl, carboxyl, C₁₋₆alkylcarbonyl and formyl.

16. (Previously presented). The process of claim 1 wherein the silicone containing monomer is selected from the group consisting of



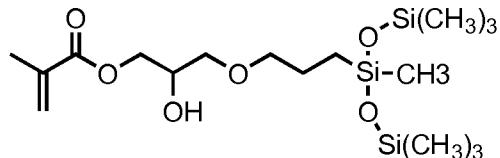


and



where $n = 1-50$ and R is independently selected from H and polymerizable unsaturated group, with at least one R is a polymerizable group, and at least one R is H.

17. **(Previously presented).** The process of claim 15 wherein said silicone containing monomer comprises



19. **(Canceled).**

20. **(Canceled).**

21. **(Canceled).**